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Application No.: 10/826995

Case No.: 59674US002

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of analyzing the characteristics of a web of material, comprising:

imaging at least a portion of a web to provide digital information;

processing the digital information with an initial algorithm to identify regions on the web containing anomalies;

placing fiducial marks on the web;

winding the web onto a roll;

subsequent to the winding step, recording positional information localizing the identified regions relative to the fiducial marks; and

applying locating marks to the web identifying the position of at least some of the anomalies, using the positional information and the fiducial marks as a guide.

2. (Original) The method according to claim 1 wherein the position of only the anomalies that qualify as actual defects with respect to the contemplated end use of the web are identified with locating marks.

3. (Original) The method according to claim 2 further comprising
extracting identified regions from the digital information, and
analyzing the extracted identified regions with at least one subsequent algorithm to determine which anomalies represent actual defects with respect to the contemplated end use of the web.

4. (Original) The method according to claim 3 further comprising storing or buffering the identified regions prior to analyzing.

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5. (Original) The method according to claim 4 wherein the stored or buffered information is analyzed after the imaging has been performed on the entire web.

6. (Canceled)

7. (Original) The method according to claim 1 wherein the locating marks are on or adjacent to the anomalies whose position they identify.

8. (Original) The method according to claim 1 wherein the locating marks are spaced in a predetermined way from the anomalies whose position they identify.

9. (Currently amended) A system for marking a web of material, comprising:

a fiducial marker for applying fiducial marks to the web;

an inspection module for imaging at least a portion of a web to provide digital information, processing the digital information with an initial algorithm to identify regions on the web containing anomalies, and recording positional information localizing the identified regions relative to the fiducial marks;

a fiducial reader for reading and providing localizing information from the fiducial marks,

a web marker for applying locating marks to the web[. and];

a web marker controller for controlling the web marker so as to apply locating marks to the web identifying the position of at least some of the anomalies, using the positional information and the localizing information as a guide[.] and;

wherein the fiducial marker and the inspection module are associated with a first webhandling apparatus, and wherein the fiducial reader, the web marker, and the web marker controller are associated with a second webhandling apparatus.

10. (Original) The system according to claim 9 wherein the web marker applies locating marks identifying the position of only the anomalies that qualify as actual defects with respect to a contemplated end use of the web.

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11. (Original) The system according to claim 10 wherein the inspection module extracts identified regions from the digital information, and wherein the system further comprises

a processor associated with the web marker controller for analyzing the extracted identified regions with at least one subsequent algorithm to determine which anomalies represent actual defects with respect to the contemplated end use of the web.

12. (Original) The system according to claim 11 wherein the inspection module stores or buffers the identified regions for the processor.

13. (Canceled)

14. (Original) The system according to claim 9 wherein the web marker places locating marks on or adjacent to the anomalies whose position they identify.

15. (Original) The system according to claim 9 wherein the web marker places locating marks that are spaced in a predetermined way from the anomalies whose position they identify.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (New) A method of marking defects on a web of material having fiducial marks thereon, comprising:

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providing the web of material in the form of a roll;
providing digital information about the location of anomalies on the roll relative to the
fiducial marks;
unwinding the roll; and
applying locating marks to the web identifying the position of at least some of the
anomalies, using the digital information and the fiducial marks as a guide.

23. (New) The method according to claim 26, wherein:
the web is moved at a speed of at least 45 m/min during the unwinding; and
the locating marks on are applied to the web within 1 mm of the anomalies they identify.

24. (New) The method according to claim 23, wherein the position of only the
anomalies that qualify as actual defects with respect to a contemplated end use of the web are
identified with the locating marks.